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Xm	AK	S. Ferrasse et al., "ECAE Targets with Sub-Micron Grain Structures Improve Sputtering Performance and Cost-of-Ownership", Semiconductor Manufacturing, Vol. 4, Issue 10, October 2003, pp. 76-92.							
72	AL	R.Z Valiev et al	., 'Bulk Nanostruc	ctured materials from severe plastic d	eformation*, Progress in	Materials S	cience, Val. 4	5, 2000, pp. 10	D3-189.
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tm.	AM	R.Z. Valicy et al	., "Plastic deforma	tion of alloys with submicron-grained s	tructure", Materials Scies	ce and Engi	neering, A137	(1991) pp. 35-4	₩.
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SERIALINO. U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTY, DOCKETNO. 30-5022(4015) Form PTO-1449 09/783,377 LIST OF ART CITED BY APPLICANT APPLICANT (Use several sheets if necessary) Vladimir Segal et al. **GROUP** FILING DATE February 13, 2001 U.S. PATENT DOCUMENTS Subclass Filing Date Date Document If Appropriate Number 12-1998 М 5,850,755 λB ۸C ΑD ΑE FOREIGN PATENT DOCUMENTS Subclass Translation Date Country Class Number Yes Nο ۸F AG AH. Αl O'THER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.) F. J. Humphreys et al., "Developing stable fine-grain microstructures by large strain deformation", Phil. Trans. R. Soc. Lond. A, June 15, 1999, AK Val. 357 #1756, pp. 1663-1681. S. Ferrasse et al., "Texture evolution during equal channel angular extrusion Part I. Effect of route, number of passes and initial texture". Materials Science and Engineering, Vol. 368, March 15, 2004, pp. 28-40. V.M. Segal, "Equal channel angular extrusion; from macromechanics to structure formation", Materials Science & Engineering A271, November 1, 1999, pp. 322-333. Ruslan Z. Valley et al., "SPD-Processed Ultra-Fine Grained Ti Materials for Medical Applications", Advanced Materials & Processes, December 2003, pp. 33-34. ٨R Segal et al., "Plastic Working of Metals by Simple Shear", Russian Metall. Vol. 1, pp. 99-105, 1991. M. Furukawa et al., "Microhardness Measurements and the Hall-Petch Relationship in an Al-Mg Alloy with Submicrometer Grain Size", Acta Mater. Vol. 44, No. 11, pp. 4619-4629, 1996. Yoshinori Iwahashi et al., "Microstructural Characteristics of Ultrafine-Grained Aluminum Produced Using Equal-Channel Angular Pressing", Metallurgical and Materials Transactions, Vol. 29/A, pp. 2245-2252, September 1998. 1/17/05 **EXAMINER** DATE CONSUMERED this form with next communication to applicant.